

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp	Peer\$1	resourc\$4 near6 lock\$5 same	US-PGPB;	OR	OFF	EPo; JPo	USPAT;	peer\$1	
L1	19														2005/01/21 14:41

Detailed Description Text - DETX (41) : Shared Memory Header. The shared memory segment is a virtual connection of the address space of each process that connects with the DLM. The memory segment is carved into a header section that stores general information of the DLM and its peer nodes, while the body section stores all the data structures that are used to represent resources, locks, hash vectors, process slots etc. The shared memory header contains the following data structures:

US-PAT-NO: 5699500 DOCUMENT-IDENTIFIER: US 5699500 A TITLE: Reliable datagram service provider for fast messaging in a clustered environment

----- KMIC -----

brief Summary Text - BSTX (22):

Each Local Lock manager uses the global lock manager in the manner described above, distributing the information and management of resource serialization, distributed among the sysplex. The structure of the Local Lock manager is changed from a peer-coupled ring to a star with a Local Lock manager on each point and the global lock manager in the middle. Each Local Lock manager is now responsible for managing only its global resource requests. Global resource requests from other systems in the sysplex will no longer be replicated on every system. A sysplex-wide view of resource contention will be kept in the global system. A lock lock manager, but sysplex-wide global resource queues will not be kept.

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US-PAT-NO:	5805900	DOCUMENT-IDENTIFIER:	US 5805900 A
TITLE:	Method and apparatus for serializing resource access	DOCUMENT-IDENTIFIER:	US 5805900 A
US-PAT-NO:	5805900	DOCUMENT-IDENTIFIER:	US 5805900 A

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US-PAT-NO: 5909540 DOCUMENT-IDENTIFIER: US 5909540 A
TITLE: System and method for providing highly available data storage using globally addressable memory

resource, the instance at each node must be able to look at the state (or value) of the lock data structure, and if it is "free," modify it so that it becomes "busy," but if it is "busy," then it has to wait to become "free," and there could be intermediate states between "free" and "busy" (i.e., more than two lock states), but in any event, in this byte range locking example, a lock is a description of a certain byte range being shared/exclusively locked by some thread of the file system 60, and a conflicting new byte range lock request that falls in or overlaps the already locked byte range will be denied or the requester may block (depending on how the request was made); and (c) access to or modification of the lock data structure by each node's instance needs to be serialized so that it in turn can then be used to coordinate high level resource sharing.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1282	cluster\$4 adj2 network	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 13:40
L2	74	1 and node and lock and request and client	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 13:44
L3	26	1 and node and lock adj request and client	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 13:44
L4	26	3 and resource	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 13:44
L5	14	4 and "709"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 13:55
L6	0	4 and peer	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 13:56
L7	26	4 and process	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 14:05
L8	0	7 and cmlock	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 14:05
L9	0	7 and daemon	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 14:10
L10	2	"6795832".pn.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 14:23

L11	3	"2001005654"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 14:24
L12	3	"2001005654".pn.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 14:25
L13	92	chrabasycz	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 14:26
L14	31	chrabasycz.in.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:19
L15	498	cluster and node and lock and conflict	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:20
L16	384	15 and resource	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:20
L17	207	16 and client	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:20
L18	25	17 and 4	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:26
L19	6912	resource adj allocation	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:26
L20	53	15 and 19	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:34

L21	1	20 and 18	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:26
L22	0	15 and 19daemon	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:34
L23	3972	daemon	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:34
L24	14	20 and 23	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:36
L25	14	24 and conflicts	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:37
L26	10	25 and peer	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 15:37

FAST - (Untitled 1)

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Drafts Pending Active

- L1: (0) lock adj broker\$4 adj3 process
- L2: (0) lock near2 broker\$4 near2 process\$3
- L3: (1282) cluster\$4 adj2 network
- L4: (30) 3 and node and lock adj request
- L5: (26) 4 and client
- L6: (30) 3 and node and lock\$3 adj request
- L7: (0) 5 and peer adj node
- L8: (29) 6 and resource

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DBs: US_PGPUB_USPAT_EPO;DERWENT:IBM_TDB

Default operator: OR

6 and resource

BR5 form ISMA form Image Text HTML

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